

## Technical Data Sheet

# Titanium(III) Oxide Granules / Pellets

**Product ID:** 220800GN001 / 220800PL001

**Formular:**  $Ti_2O_3$

**Molecular weight:** 143.73 g/mol

**CAS No.:** 1344-54-3

**EINECS No.:** 215-697-9

**Color:** Dark purple

**Description:** Our titanium oxide granules have a purity of 99.9% and can be customized in various sizes according to requirements, offering excellent electrical conductivity, chemical stability, and high-temperature resistance, while also exhibiting semiconducting properties.

**Application:** Electrode materials, functional ceramics, catalyst supports, conductive coatings, and new energy devices.

**Product Image:**



### 1. Sizes

Product ID	Formular	Size	Morphology
220800GN001	$Ti_2O_3$ (99.9%)	1 - 4 mm	Crystalline / Sintered
220800PL001	$Ti_2O_3$ (99.9%)	$\varnothing$ 3 mm x 3 mm	Sintered
220800GNDZ	$Ti_2O_3$ (99.9%)	Customized	Crystalline / Sintered
220800PLDZ	$Ti_2O_3$ (99.9%)	Customized	Sintered

### 2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Fe	Al	Cr	Si	Zn	Cu
99.9%	≤ 150	≤ 150	≤ 150	≤ 200	≤ 80	≤ 80

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*Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.*

### **3. Packaging**

Bottle/Bag.  
Double vacuum packed.

### **4. Period of Validity**

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

### **5. Handling and Storage**

When using, wear appropriate protective equipment to avoid dust generation and operate in a well-ventilated, dry environment.

Store in a cool, dry place, away from moisture and strong oxidizers.

### **Contact Us**

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